

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012818\  
 Data File : BG032391.D  
 Acq On : 28 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1296-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 F6C23

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG012218.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.382       | 11            | 16          | 19           | rBV5     | 8415           | 12031         | 0.88%           | 0.107%        |
| 2         | 3.470       | 25            | 31          | 45           | rVB      | 256046         | 407562        | 29.75%          | 3.637%        |
| 3         | 3.775       | 79            | 83          | 89           | rBV4     | 4410           | 7419          | 0.54%           | 0.066%        |
| 4         | 4.104       | 135           | 139         | 143          | rVB3     | 1306           | 1976          | 0.14%           | 0.018%        |
| 5         | 4.522       | 207           | 210         | 213          | rVB      | 2055           | 2417          | 0.18%           | 0.022%        |
| 6         | 5.650       | 395           | 402         | 408          | rVB3     | 2428           | 4999          | 0.36%           | 0.045%        |
| 7         | 7.830       | 766           | 773         | 782          | rBV      | 98141          | 189209        | 13.81%          | 1.689%        |
| 8         | 8.006       | 797           | 803         | 814          | rBB      | 63173          | 110421        | 8.06%           | 0.985%        |
| 9         | 8.235       | 834           | 842         | 852          | rBV      | 104671         | 189794        | 13.85%          | 1.694%        |
| 10        | 8.723       | 918           | 925         | 933          | rBV      | 80763          | 147636        | 10.78%          | 1.318%        |
| 11        | 9.422       | 1037          | 1044        | 1055         | rBV      | 137896         | 251547        | 18.36%          | 2.245%        |
| 12        | 9.915       | 1121          | 1128        | 1138         | rBV      | 99377          | 177756        | 12.98%          | 1.586%        |
| 13        | 10.268      | 1185          | 1188        | 1193         | rBB2     | 3838           | 5245          | 0.38%           | 0.047%        |
| 14        | 10.656      | 1247          | 1254        | 1264         | rVB2     | 92178          | 173115        | 12.64%          | 1.545%        |
| 15        | 11.202      | 1340          | 1347        | 1357         | rBV      | 154606         | 287748        | 21.00%          | 2.568%        |
| 16        | 11.602      | 1407          | 1415        | 1422         | rBV      | 106311         | 205455        | 15.00%          | 1.834%        |
| 17        | 11.719      | 1427          | 1435        | 1443         | rBV      | 131222         | 249704        | 18.23%          | 2.228%        |
| 18        | 13.147      | 1673          | 1678        | 1681         | rBB      | 2334           | 3690          | 0.27%           | 0.033%        |
| 19        | 13.564      | 1747          | 1749        | 1754         | rBB      | 1578           | 1630          | 0.12%           | 0.015%        |
| 20        | 14.140      | 1843          | 1847        | 1852         | rBB      | 2352           | 3412          | 0.25%           | 0.030%        |
| 21        | 14.733      | 1942          | 1948        | 1952         | rBV      | 321513         | 476100        | 34.75%          | 4.249%        |
| 22        | 14.780      | 1952          | 1956        | 1968         | rVB      | 278269         | 401607        | 29.32%          | 3.584%        |
| 23        | 15.056      | 1994          | 2003        | 2013         | rBV      | 340700         | 544967        | 39.78%          | 4.863%        |
| 24        | 15.197      | 2022          | 2027        | 2031         | rVB2     | 8778           | 12032         | 0.88%           | 0.107%        |
| 25        | 15.356      | 2046          | 2054        | 2063         | rBV2     | 191941         | 333831        | 24.37%          | 2.979%        |
| 26        | 15.509      | 2074          | 2080        | 2094         | rBV2     | 119093         | 196180        | 14.32%          | 1.751%        |
| 27        | 15.685      | 2108          | 2110        | 2117         | rBV3     | 1575           | 1833          | 0.13%           | 0.016%        |
| 28        | 15.738      | 2117          | 2119        | 2124         | rVB2     | 1624           | 2155          | 0.16%           | 0.019%        |
| 29        | 15.803      | 2127          | 2130        | 2134         | rBV2     | 2810           | 3552          | 0.26%           | 0.032%        |
| 30        | 15.873      | 2139          | 2142        | 2149         | rBB      | 2143           | 3350          | 0.24%           | 0.030%        |
| 31        | 16.032      | 2163          | 2169        | 2173         | rVB2     | 1018           | 2001          | 0.15%           | 0.018%        |
| 32        | 16.090      | 2177          | 2179        | 2182         | rBV2     | 1762           | 2564          | 0.19%           | 0.023%        |
| 33        | 16.137      | 2182          | 2187        | 2192         | rVB      | 16821          | 20077         | 1.47%           | 0.179%        |
| 34        | 16.337      | 2214          | 2221        | 2231         | rVB      | 497863         | 735728        | 53.70%          | 6.566%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 16.431 | 2231 | 2237 | 2244 | rBV  | 142823 | 218891  | 15.98% | 1.953%  |
| 36 | 16.537 | 2248 | 2255 | 2258 | rVV3 | 4596   | 8887    | 0.65%  | 0.079%  |
| 37 | 16.572 | 2258 | 2261 | 2268 | rVB2 | 5288   | 8698    | 0.63%  | 0.078%  |
| 38 | 16.637 | 2268 | 2272 | 2277 | rVB2 | 2080   | 2544    | 0.19%  | 0.023%  |
| 39 | 16.684 | 2277 | 2280 | 2283 | rBV  | 2438   | 2744    | 0.20%  | 0.024%  |
| 40 | 16.749 | 2289 | 2291 | 2298 | rVB3 | 1851   | 3319    | 0.24%  | 0.030%  |
| 41 | 16.989 | 2327 | 2332 | 2336 | rBV4 | 13739  | 19693   | 1.44%  | 0.176%  |
| 42 | 17.336 | 2387 | 2391 | 2392 | rBV2 | 2037   | 2648    | 0.19%  | 0.024%  |
| 43 | 17.448 | 2406 | 2410 | 2412 | rBV2 | 1996   | 2177    | 0.16%  | 0.019%  |
| 44 | 17.571 | 2426 | 2431 | 2432 | rVB  | 1337   | 1783    | 0.13%  | 0.016%  |
| 45 | 17.730 | 2452 | 2458 | 2462 | rBV3 | 9622   | 15449   | 1.13%  | 0.138%  |
| 46 | 17.783 | 2463 | 2467 | 2471 | rVV5 | 7819   | 10387   | 0.76%  | 0.093%  |
| 47 | 17.830 | 2471 | 2475 | 2479 | rVV2 | 2274   | 3483    | 0.25%  | 0.031%  |
| 48 | 17.877 | 2480 | 2483 | 2485 | rVB  | 1866   | 1636    | 0.12%  | 0.015%  |
| 49 | 18.088 | 2511 | 2519 | 2528 | rVB  | 316713 | 488924  | 35.69% | 4.363%  |
| 50 | 18.188 | 2528 | 2536 | 2546 | rBV2 | 558542 | 886947  | 64.74% | 7.915%  |
| 51 | 18.517 | 2590 | 2592 | 2597 | rVB2 | 2264   | 2157    | 0.16%  | 0.019%  |
| 52 | 18.682 | 2616 | 2620 | 2623 | rBV2 | 1428   | 2127    | 0.16%  | 0.019%  |
| 53 | 18.905 | 2653 | 2658 | 2668 | rBV2 | 43109  | 63868   | 4.66%  | 0.570%  |
| 54 | 19.122 | 2691 | 2695 | 2699 | rVB2 | 1328   | 2074    | 0.15%  | 0.019%  |
| 55 | 19.757 | 2798 | 2803 | 2805 | rBV  | 1835   | 2585    | 0.19%  | 0.023%  |
| 56 | 20.062 | 2852 | 2855 | 2860 | rVB  | 8117   | 11135   | 0.81%  | 0.099%  |
| 57 | 20.139 | 2865 | 2868 | 2877 | rBV3 | 11056  | 16640   | 1.21%  | 0.149%  |
| 58 | 20.315 | 2892 | 2898 | 2902 | rVB3 | 5955   | 10872   | 0.79%  | 0.097%  |
| 59 | 20.427 | 2908 | 2917 | 2926 | rBV  | 828393 | 1234634 | 90.12% | 11.018% |
| 60 | 20.867 | 2989 | 2992 | 2993 | rBV3 | 1933   | 1661    | 0.12%  | 0.015%  |
| 61 | 21.290 | 3062 | 3064 | 3069 | rVB2 | 1794   | 1727    | 0.13%  | 0.015%  |
| 62 | 21.608 | 3114 | 3118 | 3120 | rBV2 | 2285   | 1937    | 0.14%  | 0.017%  |
| 63 | 21.960 | 3173 | 3178 | 3185 | rBV5 | 18017  | 33900   | 2.47%  | 0.303%  |
| 64 | 22.230 | 3222 | 3224 | 3229 | rVB3 | 3703   | 4832    | 0.35%  | 0.043%  |
| 65 | 22.418 | 3248 | 3256 | 3271 | rVB2 | 387494 | 739381  | 53.97% | 6.599%  |
| 66 | 23.053 | 3362 | 3364 | 3367 | rBV4 | 2891   | 3280    | 0.24%  | 0.029%  |
| 67 | 23.153 | 3380 | 3381 | 3383 | rBV2 | 3102   | 1915    | 0.14%  | 0.017%  |
| 68 | 23.306 | 3405 | 3407 | 3410 | rBV2 | 2230   | 2452    | 0.18%  | 0.022%  |
| 69 | 24.046 | 3528 | 3533 | 3539 | rVB9 | 6348   | 12790   | 0.93%  | 0.114%  |
| 70 | 24.275 | 3568 | 3572 | 3577 | rVB6 | 4840   | 10804   | 0.79%  | 0.096%  |
| 71 | 24.974 | 3686 | 3691 | 3698 | rBV7 | 8427   | 19315   | 1.41%  | 0.172%  |

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|----|--------|------|------|------|------|--------|---------|---------|---------|
| 72 | 25.309 | 3746 | 3748 | 3750 | rVB2 | 2838   | 1861    | 0.14%   | 0.017%  |
| 73 | 25.844 | 3827 | 3839 | 3853 | rVB2 | 423967 | 1369964 | 100.00% | 12.226% |
| 74 | 26.090 | 3871 | 3881 | 3894 | rBV2 | 244159 | 771975  | 56.35%  | 6.889%  |
| 75 | 26.866 | 4011 | 4013 | 4016 | rBV3 | 2088   | 2425    | 0.18%   | 0.022%  |
| 76 | 27.389 | 4098 | 4102 | 4103 | rBV3 | 6539   | 8906    | 0.65%   | 0.079%  |
| 77 | 27.642 | 4143 | 4145 | 4146 | rBV2 | 1845   | 1794    | 0.13%   | 0.016%  |
| 78 | 27.947 | 4195 | 4197 | 4198 | rBV2 | 2327   | 1926    | 0.14%   | 0.017%  |
| 79 | 28.135 | 4227 | 4229 | 4230 | rBV2 | 3261   | 2116    | 0.15%   | 0.019%  |
| 80 | 28.294 | 4252 | 4256 | 4258 | rBV5 | 1982   | 2502    | 0.18%   | 0.022%  |
| 81 | 28.499 | 4289 | 4291 | 4294 | rBV4 | 2076   | 1881    | 0.14%   | 0.017%  |
| 82 | 30.262 | 4589 | 4591 | 4593 | rBV2 | 2500   | 1705    | 0.12%   | 0.015%  |
| 83 | 30.391 | 4611 | 4613 | 4616 | rBV3 | 2385   | 2019    | 0.15%   | 0.018%  |
| 84 | 30.503 | 4630 | 4632 | 4633 | rBV2 | 3244   | 1876    | 0.14%   | 0.017%  |
| 85 | 30.720 | 4667 | 4669 | 4670 | rBV2 | 2476   | 1935    | 0.14%   | 0.017%  |
| 86 | 31.549 | 4808 | 4810 | 4811 | rBV2 | 2510   | 1613    | 0.12%   | 0.014%  |
| 87 | 31.872 | 4863 | 4865 | 4867 | rBV3 | 1784   | 1632    | 0.12%   | 0.015%  |
| 88 | 32.025 | 4890 | 4891 | 4893 | rBV2 | 2691   | 2108    | 0.15%   | 0.019%  |

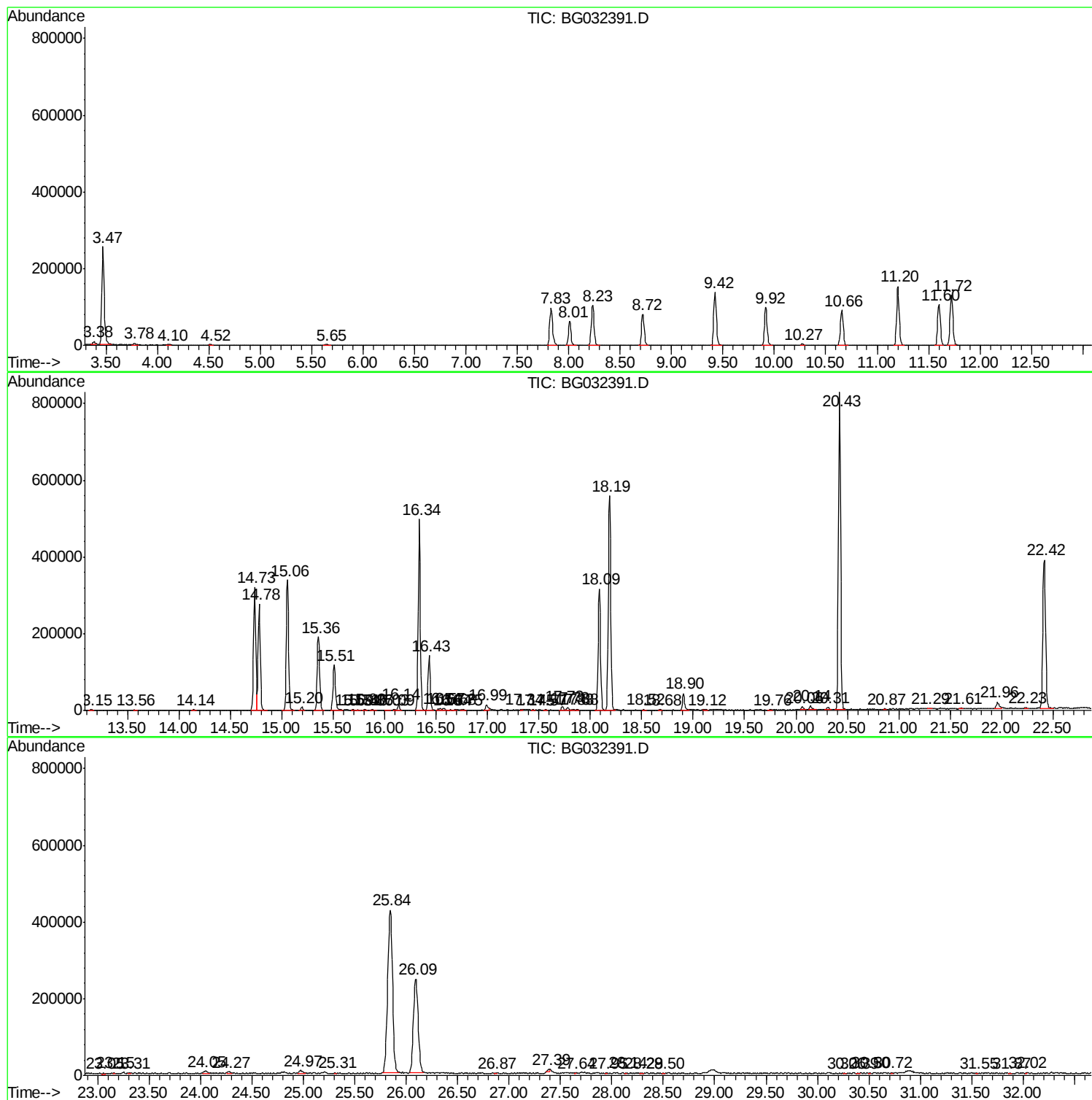
Sum of corrected areas: 11205277

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG012218.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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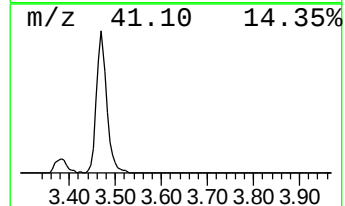
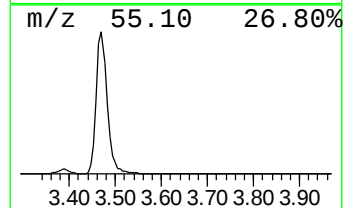
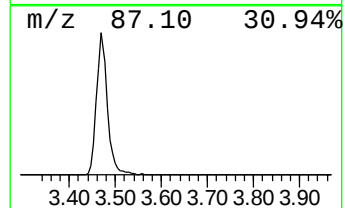
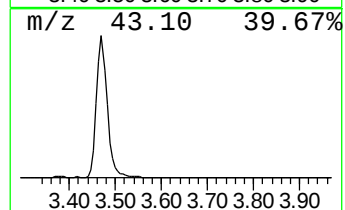
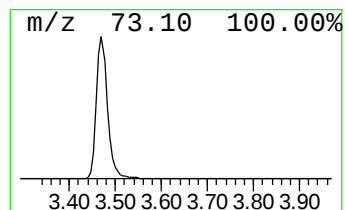
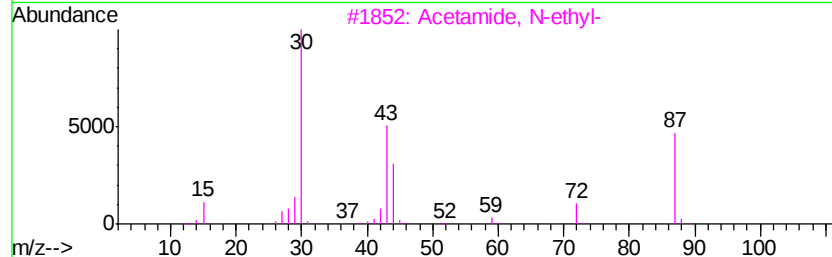
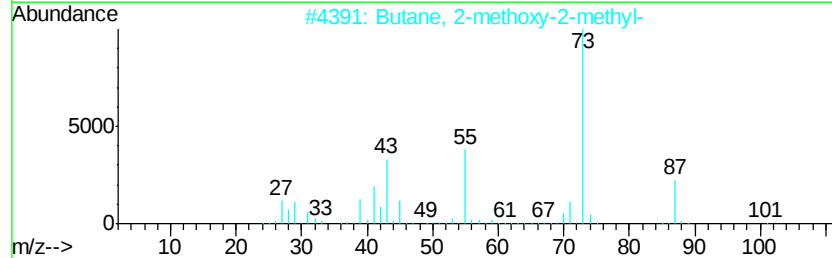
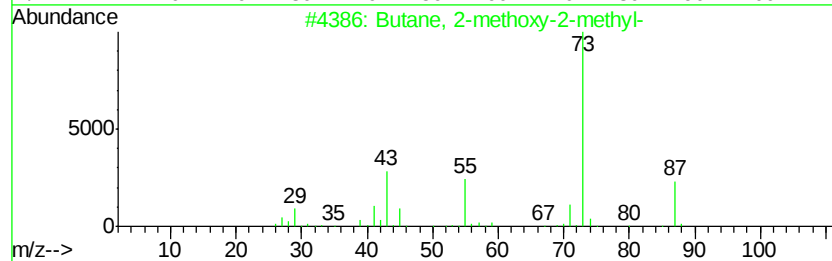
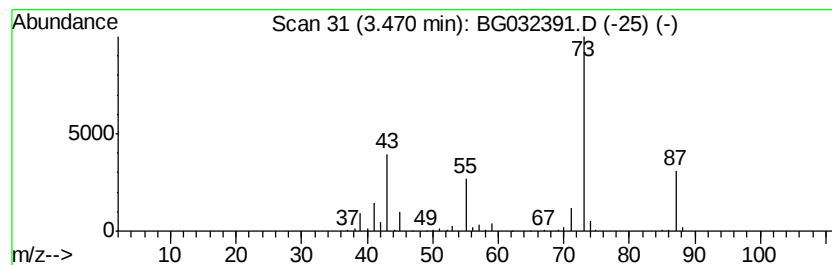
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.47 | 55.21 ng/ul | 407562 | 1,4-Dichlorobenzene-d4 | 8.72 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 25   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 9    |



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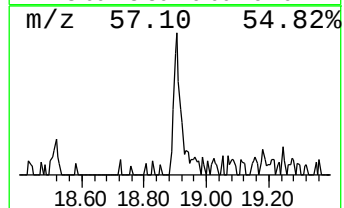
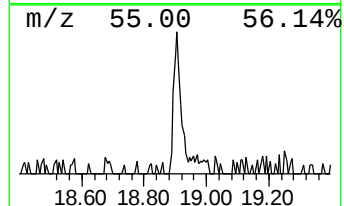
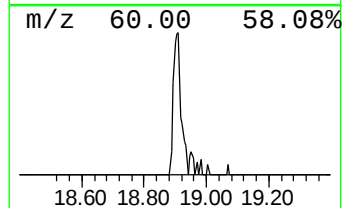
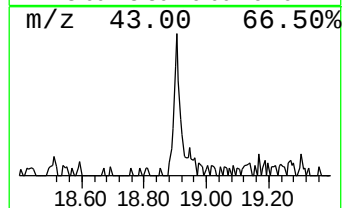
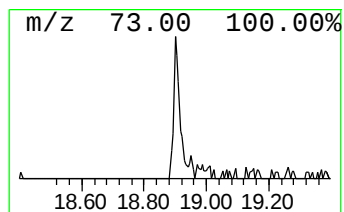
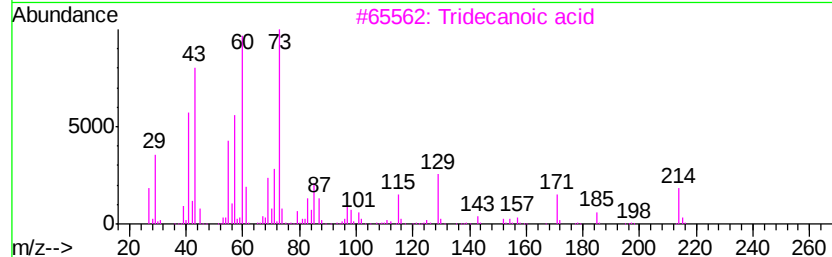
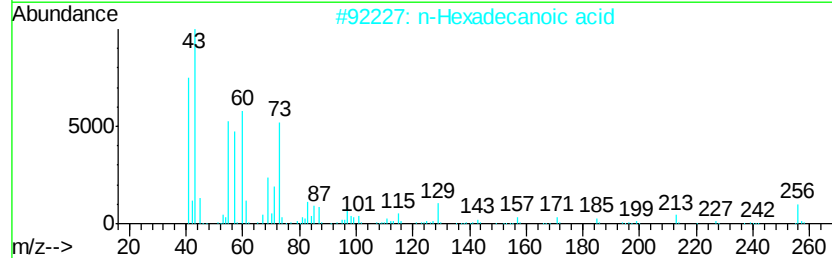
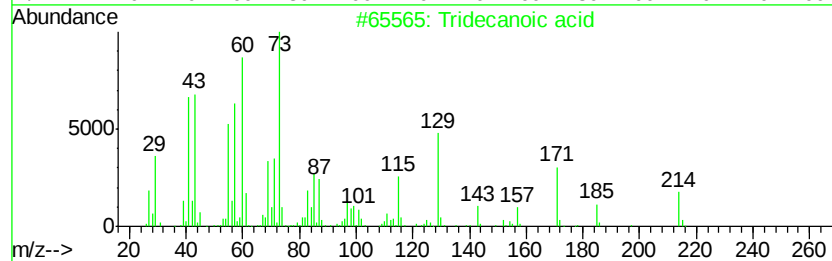
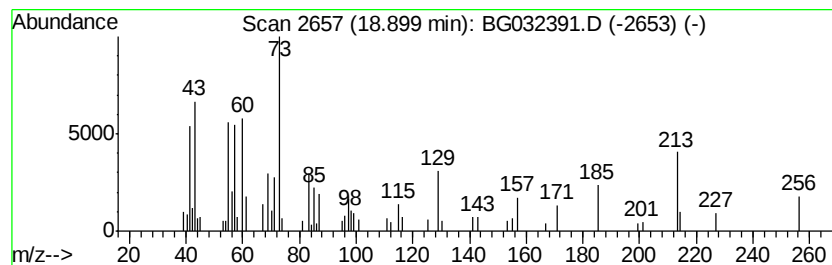
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Tridecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area  | Relative to ISTD |  | R.T.  |
|-------|------------|-------|------------------|--|-------|
| 18.90 | 2.61 ng/ul | 63868 | Phenanthrene-d10 |  | 18.09 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Tridecanoic acid                    | 214 | C13H26O2   | 000638-53-9 | 64   |
| 2    |    |   | n-Hexadecanoic acid                 | 256 | C16H32O2   | 000057-10-3 | 56   |
| 3    |    |   | Tridecanoic acid                    | 214 | C13H26O2   | 000638-53-9 | 50   |
| 4    |    |   | n-Hexadecanoic acid                 | 256 | C16H32O2   | 000057-10-3 | 49   |
| 5    |    |   | 6H-Indolo[3,2,1-de][1,5]naphthyr... | 256 | C15H16N2O2 | 050630-67-6 | 47   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.47  | 55.2    | ng/ul | 407562   | 1                     | 8.72  | 147636 | 20.0 |
| Tridecanoic acid     | 18.90 | 2.6     | ng/ul | 63868    | 4                     | 18.09 | 488924 | 20.0 |